

USB 3.0 ENGINEERING CHANGE NOTICE

ECR# 004

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Title: Clarification on the Chamfer on USB 3.0 Micro Connectors Applied to: USB3.0 Specification Revision 1.0 (November 12, 2008)

Brief description of the functional changes proposed:

A note "with no sharp edges" is added to the current note "Chamfer metals are optional".

Benefits as a result of the proposed changes:

USB 3.0 receptacles without chamfer will not have a sharp or blunt edge. It keeps guiding function and avoids wear out of plug shell and latches.

An assessment of the impact to the existing revision and systems that currently conform to the USB specification:

There are no USB3.0 micro connectors released in the market yet.

An analysis of the hardware implications:

None.

An analysis of the software implications:

None.

An analysis of the compliance testing implications:

Prohibiting sharp edges improves the mechanical performance such as insertion force, so it is not necessary to change the compliance testing document.

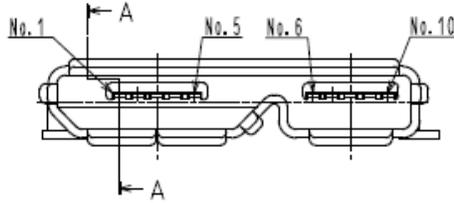
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Actual Change Requested

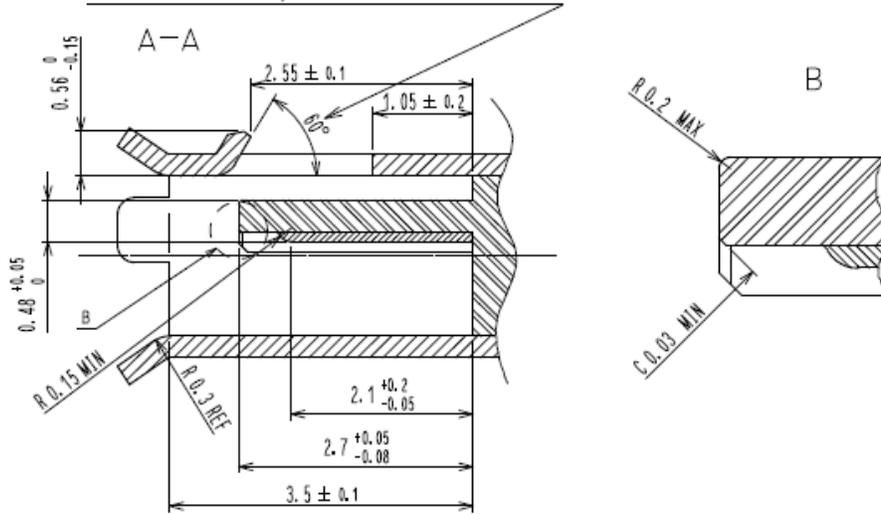
Universal Serial Bus 3.0 Specification Revision 1.0

The ECR proposes to add a note “with no sharp edges” to the current note “Chamfer metals are optional” to **Figure5-12. USB 3.0 Micro-B and-AB Receptacles Interface Dimensions** on the page 5-27, and **Figure 5-14. Reference Footprint for the USB 3.0 Mirco-B or -AB Receptacle** on the page 5-31 and 5-32.

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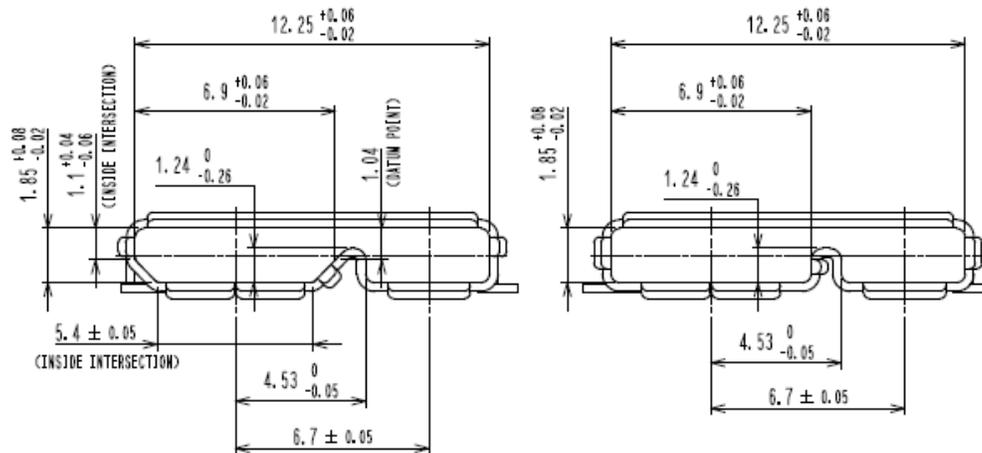


Subject to change by individual connector manufacturer to assure specified performance and interchangeability



KEY B
SHIELD DIMENSIONS

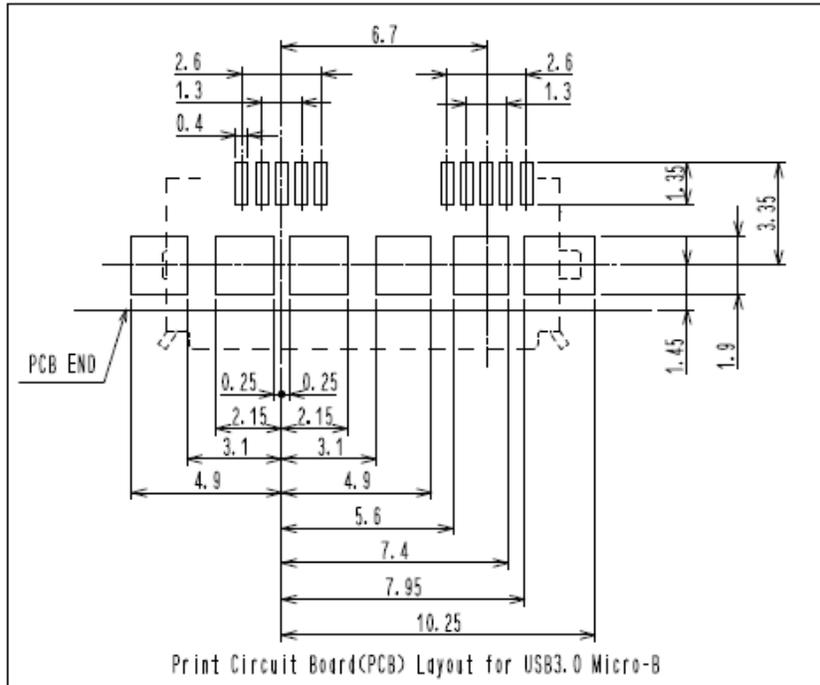
KEY AB
SHIELD DIMENSIONS



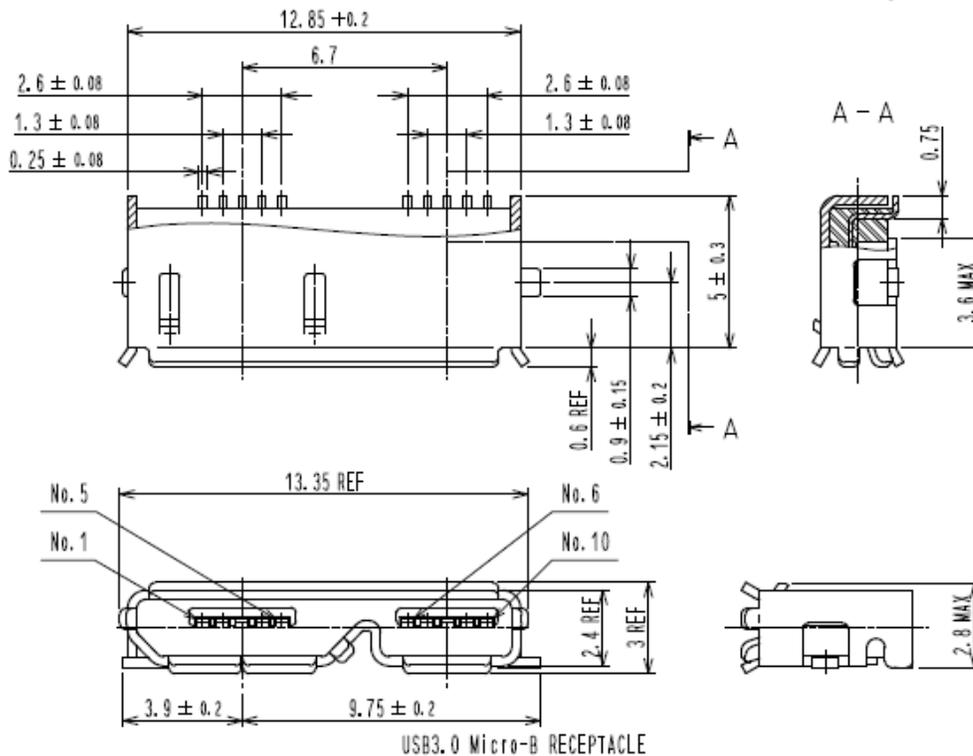
NOTES : Chamfer metals are optional. **with no sharp edges.**

Figure 5-12. USB 3.0 Micro-B and-AB Receptacles Interface Dimensions

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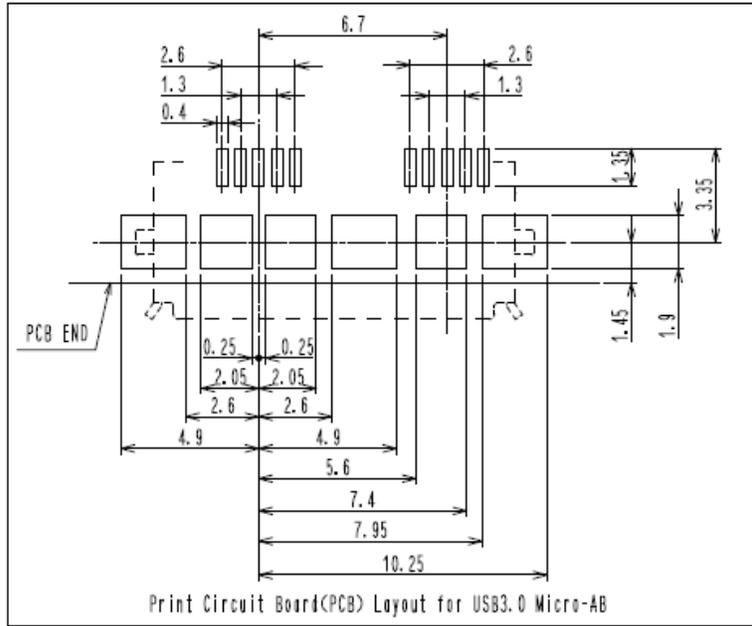
Standard-Surface Mount-Version Drawing



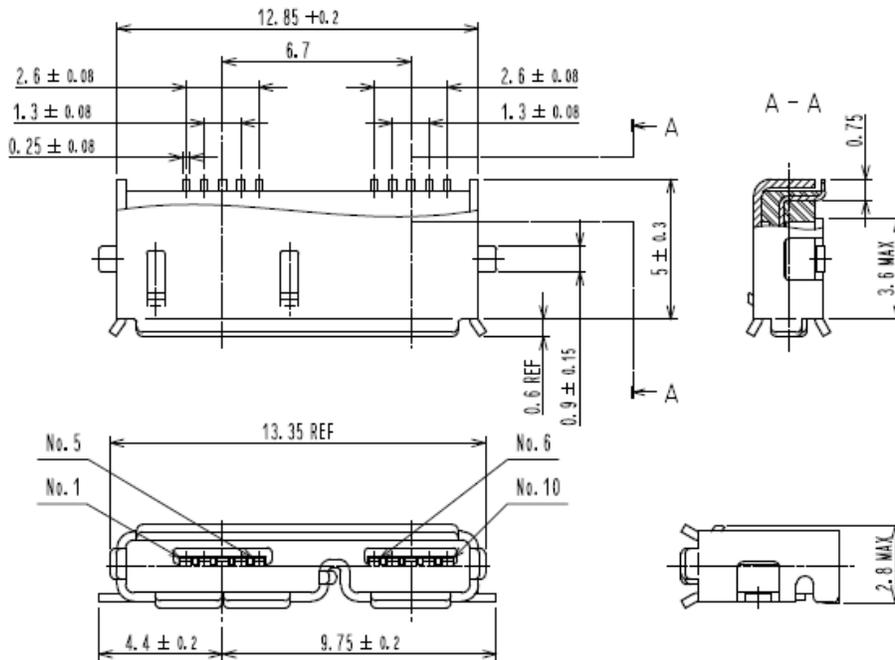
NOTES :

1. Critical Dimensions are TOLERANCED and should not be deviated.
2. Dimensions that labeled REF are typical dimensions and may vary from manufacturer to manufacturer.
3. General tolerance is +/- 0.05 mm, otherwise the specified tolerances apply.
4. Chamfer metals are optional, **with no sharp edges.**

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Figure 5-14. Reference Footprint for the USB 3.0 Micro-B or -AB Receptacle